

Delta Vision Update:

Charge in EO S-17-06: to recommend a durable vision for sustainable management of the Delta by January 2008 and a strategic plan to implement the vision by October 2008

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California State Assembly Hearing on Water

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The Legal Delta and Zones

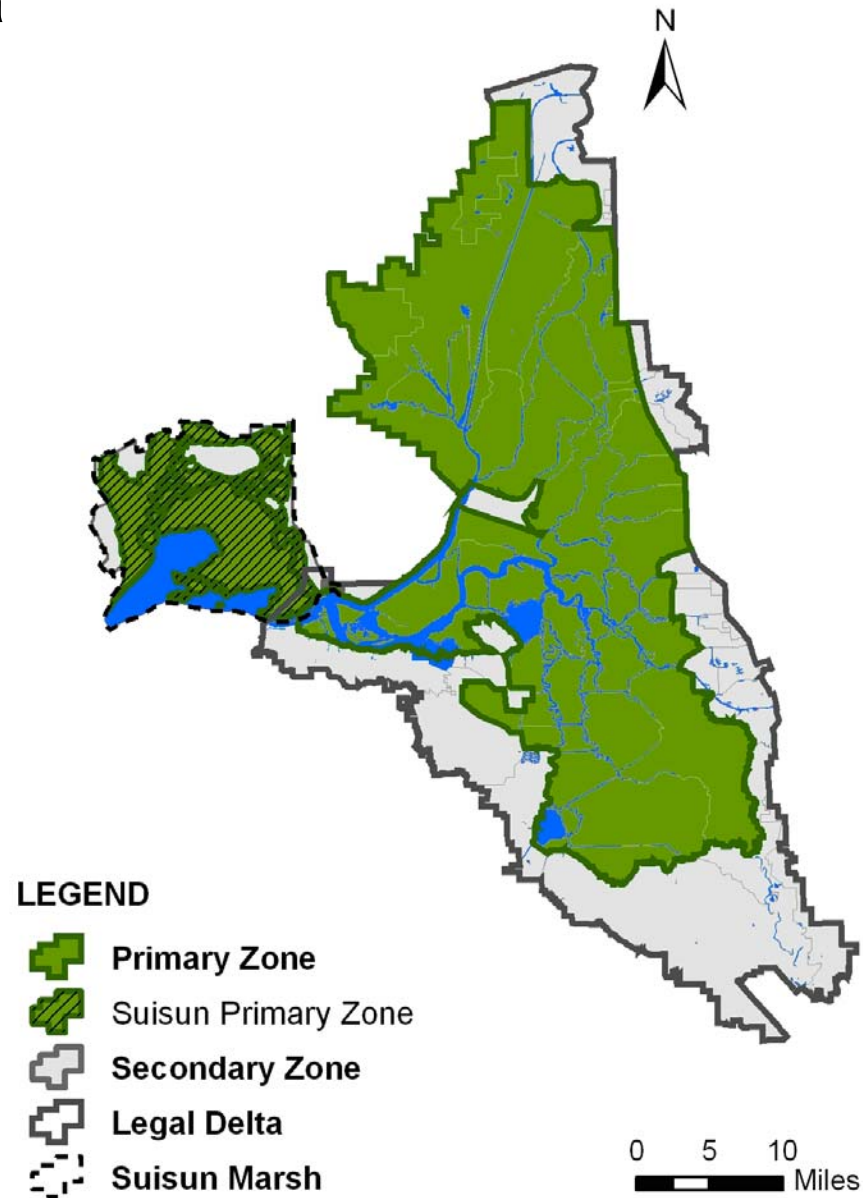
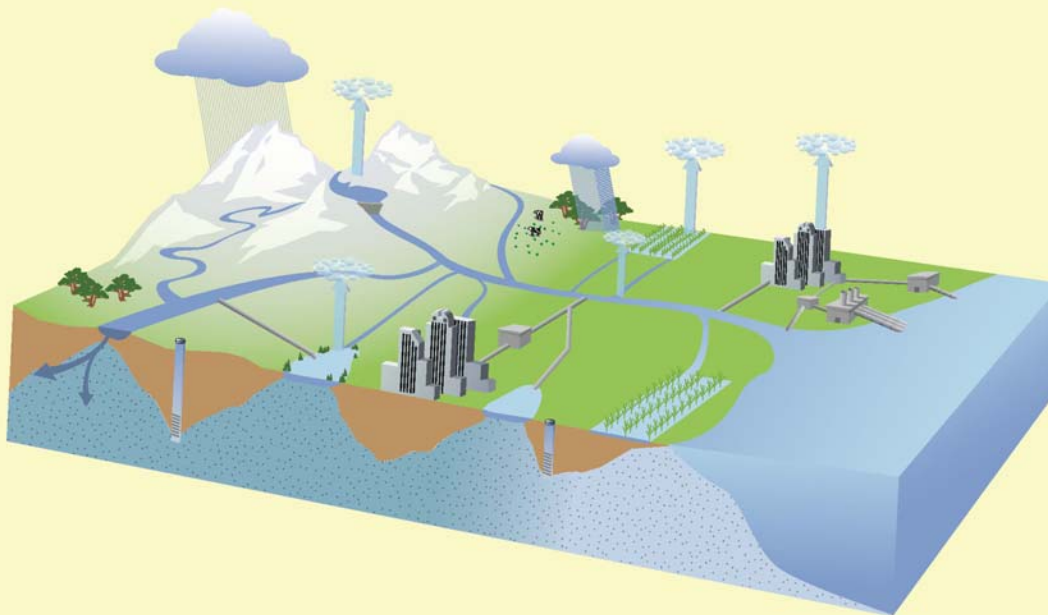


Table 1-1 California water summary - MAF

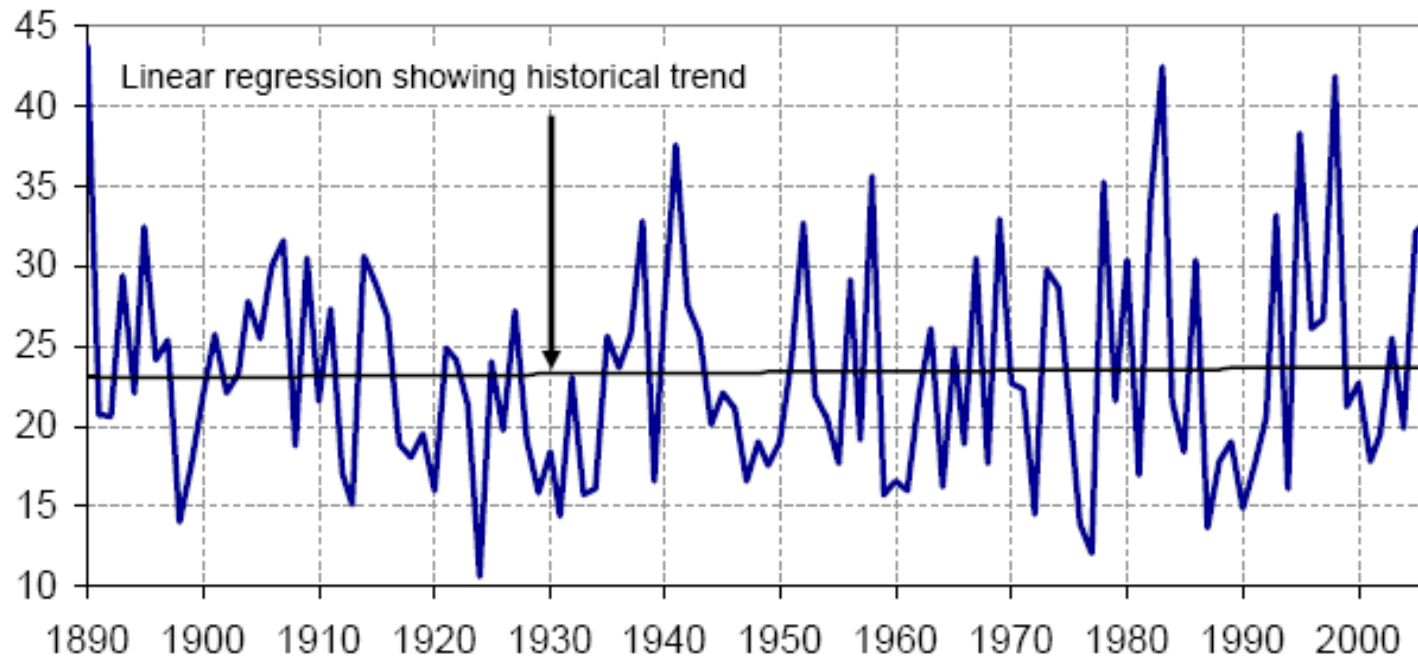
	1998 (171% of normal) ^a	2000 (97% of normal) ^a	2001 (72% of normal) ^a
Total supply (precipitation & imports)	336.9	194.7	145.5
Total uses, outflows, & evaporation	331.5	200.4	159.9
Net storage changes in state	5.5	-5.7	-14.3
Distribution of dedicated supply (includes reuse) to various applied water uses			
Urban uses	7.8 (8%)	8.9 (11%)	8.6 (13%)
Agricultural uses	27.3 (29%)	34.2 (41%)	33.7 (52%)
Environmental water ^b	59.4 (63%)	39.4 (48%)	22.5 (35%)
Total dedicated supply	94.5	82.5	64.8

maf = million acre-feet
a. Percent of normal precipitation. Water year 1998 represents a wet year; 2000, average water year; 2001, drier water year.
b. Environmental water includes instream flows, wild and scenic flows, required Delta outflow, and managed wetlands water use. Some environmental water is reused by agricultural and urban water users.



Key components of the illustrated flow diagram are shown as characteristic elements of the hydrologic cycle. This volume has flow diagrams for statewide water summary in this chapter and for regional water summaries in their respective chapters.

Ca Precipitation Trend



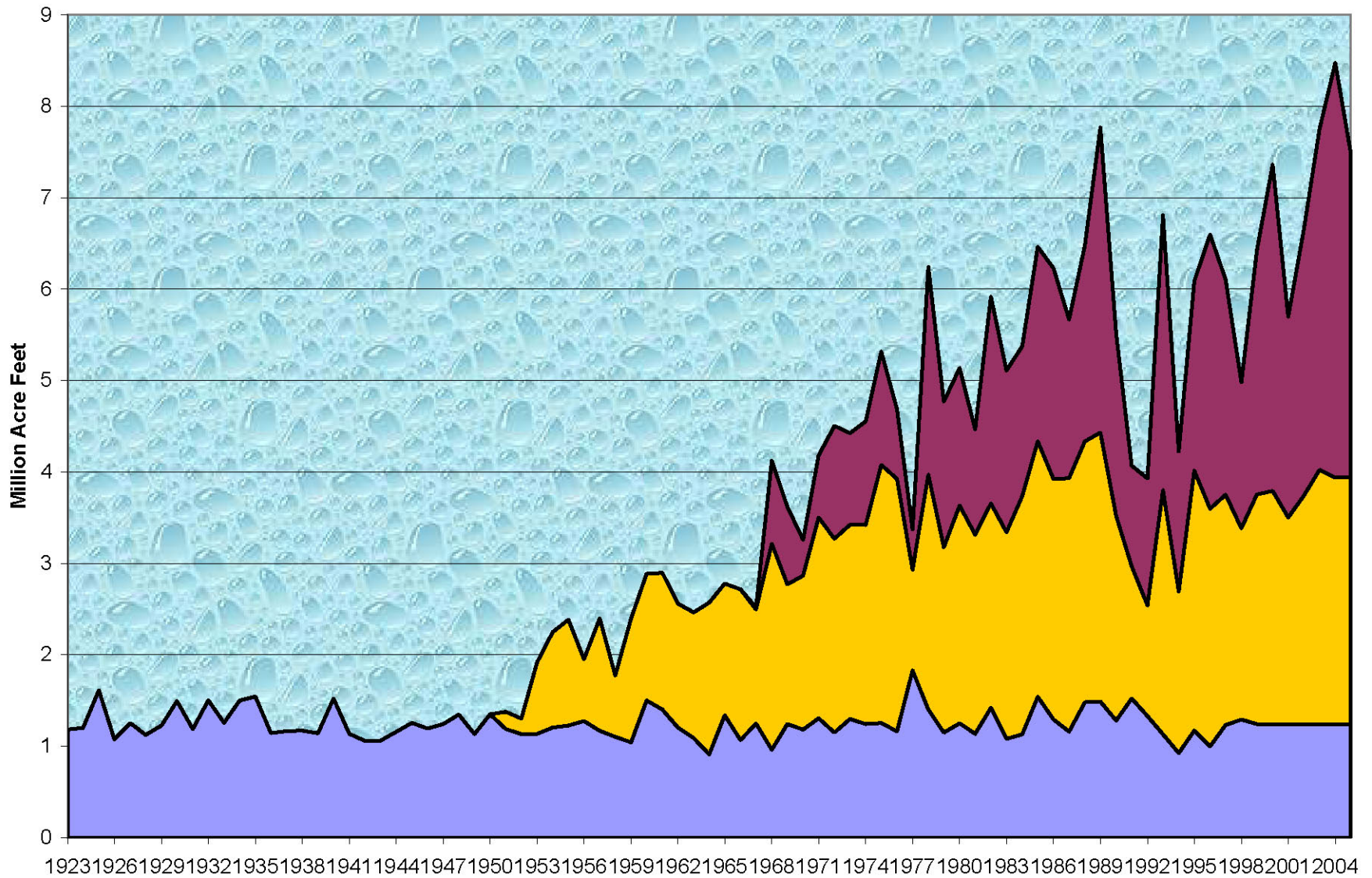
116 year average: 23.88 inches

Driest 30 years: 1908-1937 21.28 inches

Wettest 30 years: 1977-2006 24.88 inches

Diversions from Delta

In-Delta Diversions Tracy Exports Banks Exports



Water Balance in Delta by water year type

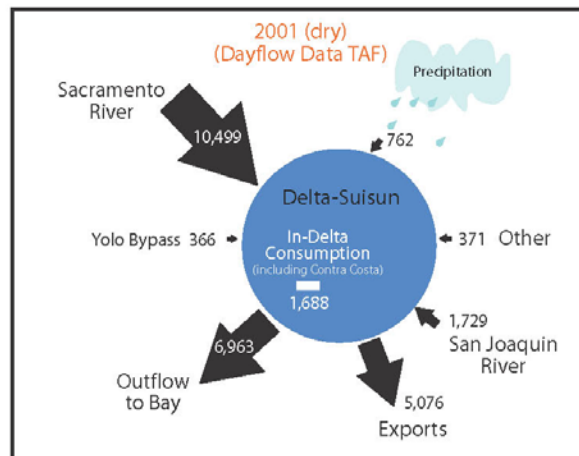
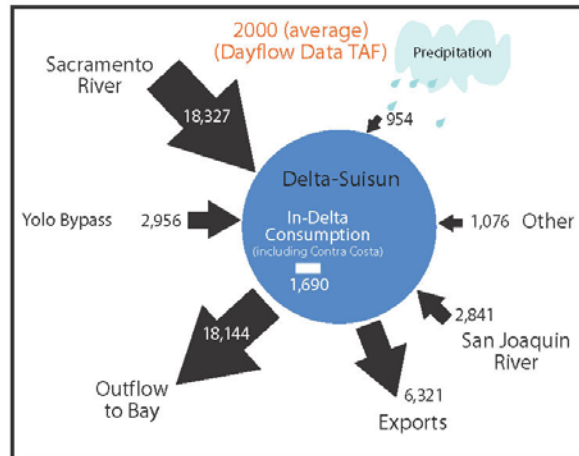
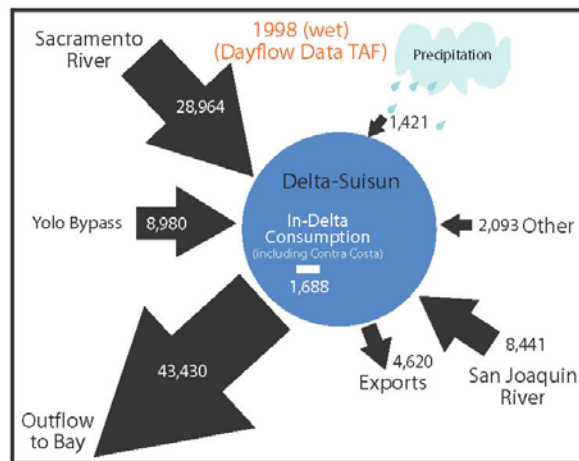
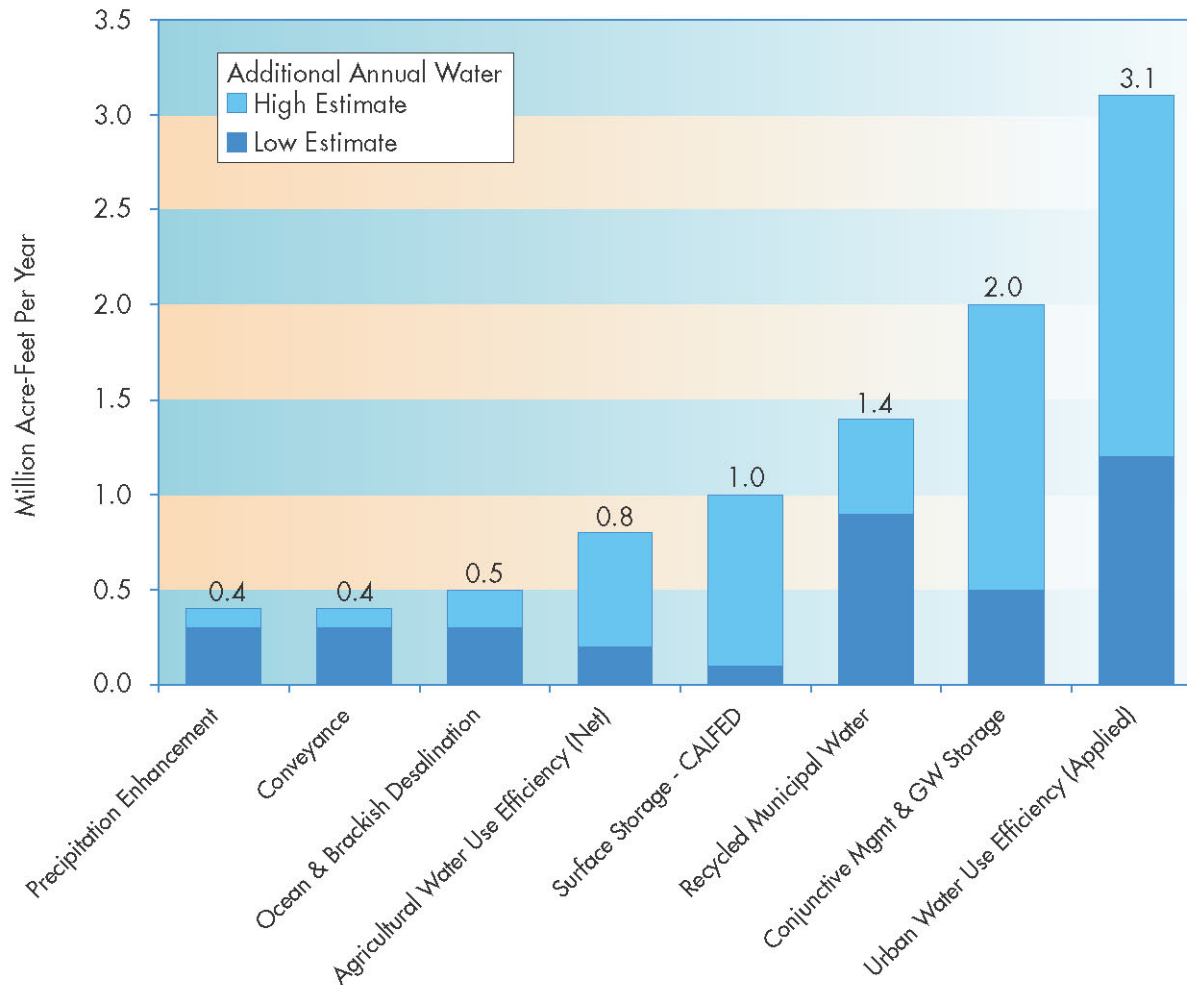
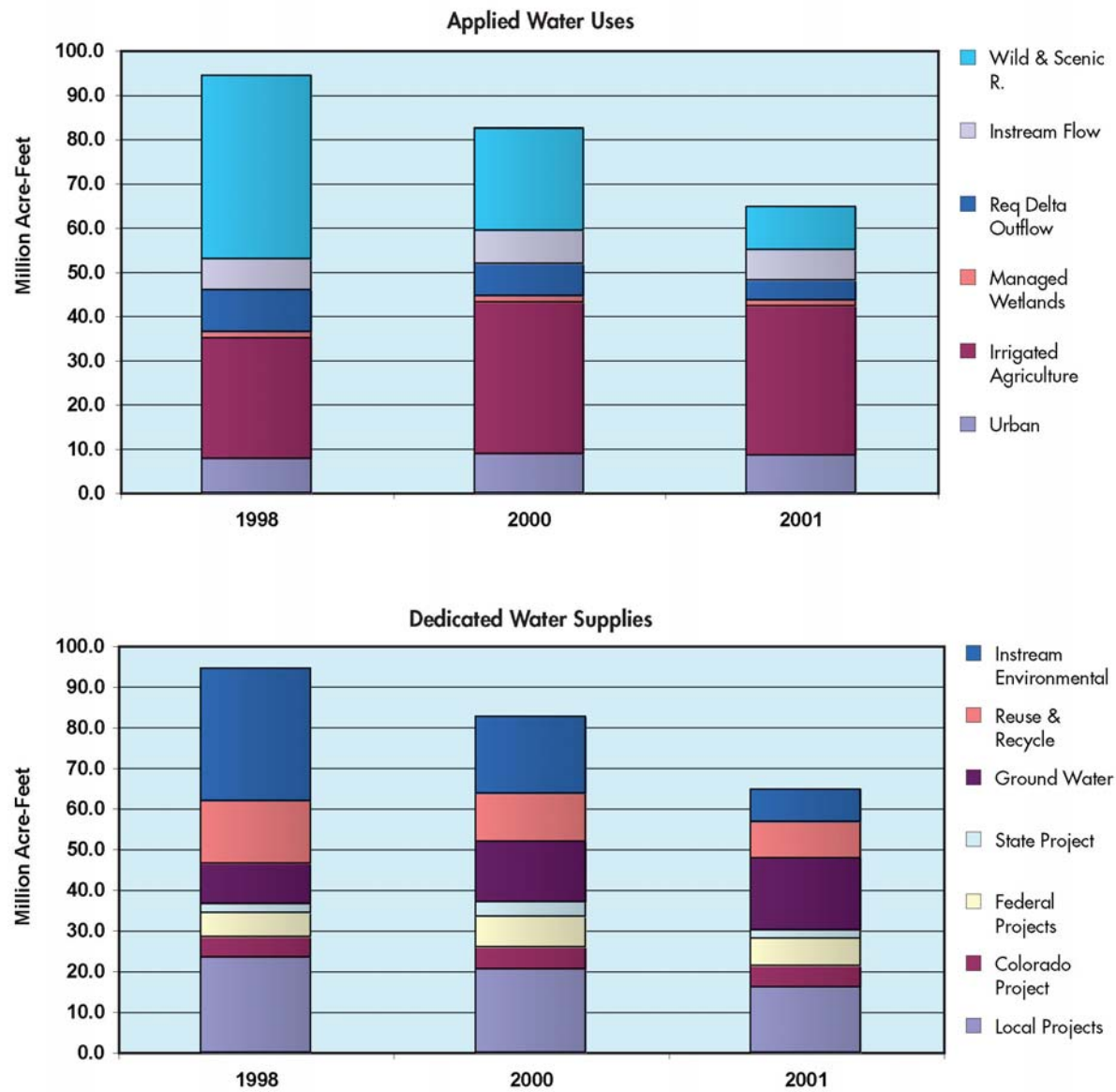


Figure 1-1 Range of additional annual water for eight resource management choices



This graph shows the potential range of more water demand reduction and supply augmentation each year for eight resource management strategies. Low estimates are shown in the lower (dark blue) section of each bar. The water supply benefits of the resource management strategies are not additive. As presented here, urban water use efficiency includes reduction in both consumptive and non-consumptive uses (or applied water), whereas agricultural water use efficiency only includes reduction in consumptive uses (or net water).

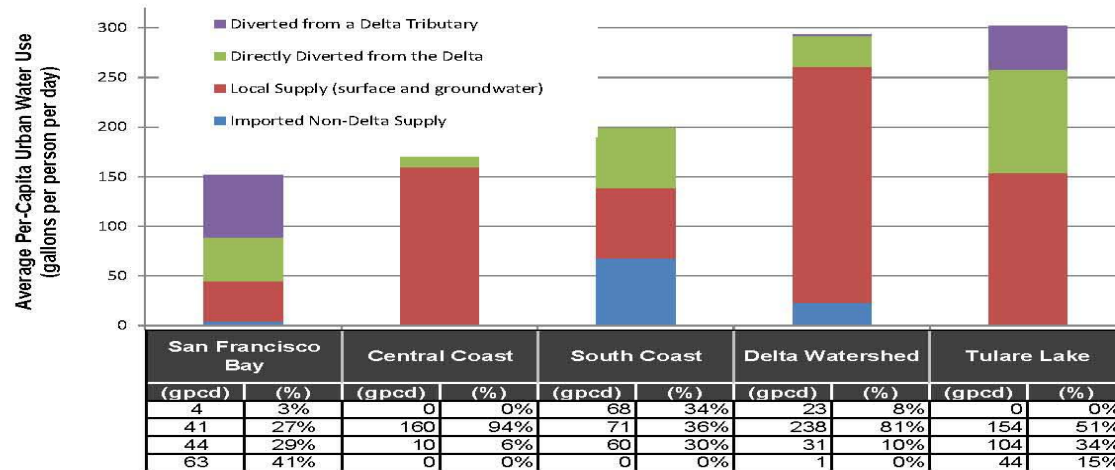
Figure 1-10 California water balance for water years 1998, 2000, 2001



Three years show a marked change in amount and relative proportions of water delivered to urban and agricultural sectors and water dedicated to the environment (applied water, top chart), where the water came from, and how much was reused among sectors (dedicated water supplies, bottom chart).

ESTIMATED DISTRIBUTION OF WATER SOURCES USED TO MEET DAILY URBAN WATER DEMAND (WATER YEAR 2000)

[Using data from the 2005 California Water Plan Update, this graphic shows an estimated representation of how various sources of water available to a region may have been used to meet a region's urban per-capita water use. However, because data is not distinguished to separate the destination of source water, some of the water available to a region may have gone exclusively to agricultural uses or urban uses, thus skewing what is represented here.]



Sources of images

- # 2: *Status and Trends of Delta Suisun Services*, page 9. DWR, May 2007
- # 3: *California Water Plan Update, 2005*, vol. 3, page 1.11. DWR, December 2005
- # 4: personal communication from Maury Roos, DWR chief hydrologist (ret.)
- # 5: *Status and Trends of Delta Suisun Services*, page 19. DWR, May 2007
- # 6: *Status and Trends of Delta Suisun Services*, page 18. DWR, May 2007
- # 7: *California Water Plan Update, 2005*, vol. 2, page 1.5. DWR, December 2005
- # 8: *California Water Plan Update, 2005*, vol. 3, page 1.13. DWR, December 2005
- # 9: Calculated from data in *California Water Plan Update, 2005*, vol. 3. DWR, December 2005